

1. Identify

- determine the area with nutrition facts

2. Extract data

- generate 1 or more candidate lists of nutrition data

3. Validate

- select the best candidate
- assess confidence

4. Apply

- choose the best deployment paths based on confidence

Real-time processing
photos from the OFF mobile app

No nutrition facts identified:
suggest to take a better photo

Lower confidence: ask for validation

Immediately give added value with the Nutri-Score

INPUT

- Product photos

OCR

- text + coordinates

Inline text model
- 1st model exists

Text based models

Table detection models

Table data extraction models
- custom models
- **help needed**

Consistency checks
- e.g. energy does not match other nutrients

Comparisons to similar products
- e.g. same category
- detect outliers

OUTPUT

- Structured nutrition facts data
- Confidence

Batch processing
existing photos for 1M products in the OFF database

Automatically select and crop photos of nutrition facts

Flag photos that do not contain nutrition facts

Flag existing nutrition data that is dubious or incoherent

Very high confidence: apply values directly

Tools and games to validate lower confidence values